

**A METHOD FOR SYNCHRONIZING RASTER AND VECTOR MAP
IMAGES**

ABSTRACT OF THE DISCLOSURE

5 A system and method for coordinated manipulation of multiple
displayed maps, even when the maps use different internal coordinate systems.
According to this embodiment, each map image to be displayed is first
georeferenced, to provide a set of conversion functions between each map's
internal coordinate system and a geographic coordinate system, which is
latitude/longitude in the preferred embodiment. After this is done, any point on
10 each map can be referenced using the geographic coordinate set. Since this is the
case, the maps can now be manipulated, edited, and annotated in a synchronized
manner, by defining the manipulations in terms of the geographic coordinate
system, and using the georeferencing functions to translate the manipulation to
each map's internal coordinate system.
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